

Comparisons of Job Characteristics

Focus Occupation: [Mine Cutting and Channeling Machine Operators \(47-5042\)](#)
Associated Occupation: [Loading Machine Operators, Underground Mining \(53-7033\)](#)

[Compare Knowledge](#)
[Compare Skills](#)
[Compare Abilities](#)
[Compare Detailed Work Activities](#)
[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Mine Cutting and Channeling Machine Operators (47-5042)
Associated Occupation: Loading Machine Operators, Underground Mining (53-7033)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	13.0	12.2	0	Current knowledge level may be sufficient
Production and Processing	6.0	8.6	4.3	<<	Extensive education and/or training may be required
Law and Government	5.9	8.4	6.1	<<	Extensive education and/or training may be required
Transportation	4.6	7.2	5.2	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Mine Cutting and Channeling Machine Operators (47-5042)
Associated Occupation: Loading Machine Operators, Underground Mining (53-7033)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation and Control	5.4	9.8	10.0	0	Current skill level may be sufficient
Operation Monitoring	6.6	9.6	11.5	>	Skill level is likely sufficient
Repairing	3.4	8.3	7.7	0	Current skill level may be sufficient
Equipment Maintenance	3.5	7.9	7.7	0	Current skill level may be sufficient
Troubleshooting	4.5	7.7	7.5	0	Current skill level may be sufficient
Equipment Selection	3.3	5.5	7.2	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Mine Cutting and Channeling Machine Operators (47-5042)

Associated Occupation: Loading Machine Operators, Underground Mining (53-7033)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Control Precision	6.6	12.2	13.5	>	Current ability level is likely sufficient
Multilimb Coordination	6.0	10.6	12.2	>	Current ability level is likely sufficient
Depth Perception	5.3	10.5	11.4	0	Current ability level may be sufficient
Reaction Time	4.8	10.3	12.1	>	Current ability level is likely sufficient
Rate Control	3.8	9.1	9.0	0	Current ability level may be sufficient
Speed of Limb Movement	3.2	6.4	6.9	0	Current ability level may be sufficient
Spatial Orientation	2.7	5.9	5.8	0	Current ability level may be sufficient
Night Vision	2.1	5.5	4.9	<	Some improvement in abilities may be required
Peripheral Vision	2.2	5.4	4.9	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Mine Cutting and Channeling Machine Operators (47-5042)

Associated Occupation: Loading Machine Operators, Underground Mining (53-7033)

Work Activities	Exclusivity of Activity
Operate material moving, loading, or unloading equipment	75
Operate mining equipment or machinery	89
Use hand or power tools	2
Use measuring devices in construction or extraction work	41

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: Mine Cutting and Channeling Machine Operators (47-5042)

Associated Occupation: Loading Machine Operators, Underground Mining (53-7033)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.